

Recombinant Monkeypox Virus L1R Protein, His-tagged(C-ter)

Cat. No. OPG100-261M Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Monkeypox Virus L1R Protein with His tag (C-ter) was expressed in E. coli.
Species	MPX
Source	E.coli
Description	Monkeypox virus (MPV, MPXV, or hMPXV) is a species of double-stranded DNA virus which causes monkeypox in humans and other animals. It belongs to the genus Orthopoxvirus in the family Poxviridae. Monkeypox virus is one of the human orthopoxvirus along with variola (VARV), cowpox (CPX), and vaccinia (VACV) viruses. It is not a direct ancestor to, nor a direct descendant of, the variola virus, which causes smallpox. Monkeypox is similar to smallpox, but with a milder rash and lower mortality rate. Variation in virulence of the virus has been observed in isolates from Central Africa, where strains are more virulent than those from Western Africa. The two areas have distinct clades of the virus, termed Congo Basin (Central African) and West African clades.
Form	Powder
Endotoxin	Endotoxin level is less than 0.1 EU/μg of the protein, as determined by the LAL test.
Purity	> 95% (by SDS-PAGE)
Applications	SDS-PAGE

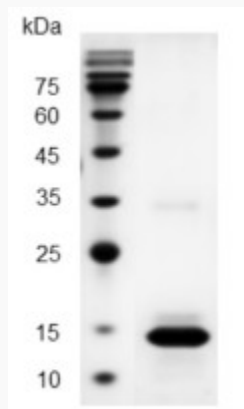
 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Notes	For laboratory research only, not for drug, diagnostic or other use.
Storage	Lyophilized protein should be stored at -20°C. After reconstitution, aliquot and store at -20°C or -80°C for up to one month. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening.
Storage Buffer	PBS (pH 7.4)
Reconstitution	It is recommended to reconstitute the lyophilized protein in sterile water to a concentration not less than 100 µg/mL and incubate the stock solution for at least 20 min at room temperature to make sure the protein is dissolved completely.
GENE INFORMATION	
Gene Name	OPG100 IMV membrane protein J1 [Monkeypox virus (monkeypox)]
Official Symbol	OPG100
Synonyms	OPG100; IMV membrane protein J1; IMV membrane protein J1; Taxonomic breadth: chordopoxvirinae; Old product: L1R; Virion morph; similar to VACV-WR L1R and VACV-Cop J1R
Gene ID	928938
Protein Refseq	NP_536512
UniProt ID	Q8V4Z7

SDS-PAGE



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